This circular will be sent regularly to all who apply for it.

United States Department of Agriculture,

WASHINGTON, D. C., *July 31, 1913.*

MONTHLY LIST OF PUBLICATIONS.

[JULY, 1913.]

NOTE.—Copies of any of the publications listed herein, **except publications of the Weather Bureau,** may be obtained **free upon application to the Editor and Chief of the Division of Publications, U. S. Department of Agriculture, Washington, D. C.,** as long as the department's supply lasts. The edition of many of the publications is necessarily limited, and when same is exhausted applicants may obtain copies from the Superintendent of Documents, Government Printing Office, Washington, D. C., who, under the provisions of the joint resolution of March 28, 1904, is empowered to have reprints made and sell them at the prices herein given. Do not apply to the Superintendent of Documents for publications **without sending the price of same,** as he does not distribute them except by sale. The price of all documents, unless otherwise noted, is 5 cents per copy. To facilitate the payment of the cost of documents, the Superintendent of Documents will hereafter accept coupons issued by him instead of cash. Coupons of the value of 5 cents each are sold in sets of 20 for $1.

The Department of Agriculture does not distribute or control the distribution of the publications of the State boards of agriculture or of the State agricultural experiment stations.

ADVANCE SHEETS, FIELD OPERATIONS OF THE BUREAU OF SOILS.

Soil Survey of Chilton County, Alabama. By L. Cantrell and W. E. Wilkinson. Pp. 36, fig. 1, map. (From F. O. Soils, 1911.) Price, 15 cents.

Soil Survey of Elmore County, Alabama. By R. A. Winston and A. C. McGehee. Pp. 47, fig. 1, map. (From F. O. Soils, 1911.) Price, 15 cents.

Soil Survey of Fairfield County, South Carolina. By M. Earl Carr, F. S. Welsh, G. A. Crabb, Risden T. Allen, and W. C. Byers. Pp. 37, pls. 2, fig. 1, map. (From F. O. Soils, 1911.) Price, 15 cents.

REPORTS.

Annual Report of the Porto Rico Agricultural Experiment Station for 1912. Pp. 44, pls. 5, Frontispiece. (Document 1520, Office of Experiment Stations.) Price, 10 cents.

BULLETINS.

Experiment Station Record, Vol. XXIX, No. 1, July, 1913. E. W. Allen, Ph. D., Editor. Pp. 1–100. Price, 15 cents.

The record contains numerous abstracts of the publications of the agricultural experiment stations and kindred institutions in this and other countries, articles and editorials on topics of special interest in agricultural science by American and foreign experts and notes on the experiment stations. The Superintendent of Documents has fixed the price of this serial, which is now issued in two volumes a year, nine numbers each, at $1 a volume.

General Index to Experiment Station Record, Vols. XIII to XXV, 1901–1911. By M. D. Moore and William Henry. Pp. 1159. (Document 1498. Office of Experiment Stations.) Price, $1.

[The Department's supply of this publication is exhausted.]

The Grinding of Spruce for Mechanical Pulp. By J. H. Thickens, Chemical Engineer in Forest Products. Pp. 54, pls. 7, figs. 19. (Bul. 127, Forest Service.) Price, 15 cents.

Monthly Bulletin of the Library, May, 1913. Vol. 4, No. 5. Pp. 128–160. (Library.) Price, 5 cents.

Index to the Yearbooks of the United States Department of Agriculture, 1906–1910. By Charles H. Greathouse, Assistant Editor in Charge of Indexing, Division of Publications. Pp. 146. (Bulletin 10, Division of Publications.) Price, 15 cents.

Soils of the United States. (Edition, 1913.) By Curtis F. Marbut, Hugh H. Bennett, J. E. Lapham, and M. H. Lapham. Pp. 791. pls. 2, figs. 13. [Revision of Soils, Bulletins 55 and 78.] (Bulletin 96, Bureau of Soils.) Price, $1.

[The Department's supply of this bulletin is exhausted.]

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Circulars.

The Adulteration and Misbranding of the Seed of Hairy Vetch. Pp. 6. (Circular 45, Office of the Secretary.)

Miscellaneous Papers. [A.] Cultural Characters of the Chestnut-Blight Fungus and Its Near Relatives. By C. L. Shear and Neil E. Stevens. [B.] Measuring Hay in Ricks or Stacks. By H. B. McClure, W. J. Spillman, and J. W. Froley. [C.] Cellulose as a Source of Energy for Nitrogen Fixation. By I. G. McBeth. Pp. 34, figs. 3. (Circular 131, Bureau of Plant Industry.)

Miscellaneous Papers. [A.] The Farmer's Income. By W. J. Spillman. [B.] Cotton Farming in the Southwest. By O. F. Cook. [C.] Mosaic Coherence of Characters in Seeds of Maize. By G. N. Collins. Pp. 21. (Circular 132, Bureau of Plant Industry.)

The Monthly Crop Reporter was discontinued with No. 6 of Volume 15.

Farmers' Bulletin.

The Stable Fly. By F. C. Bishopp, Entomological Assistant, Bureau of Entomology. Pp. 28, figs. 10. (Farmers' Bulletin 540.)

Culture, Fertilization, and Frost Protection of Citrus Groves in the Gulf States. By P. H. Rolfs, Director of the Agricultural Experiment Station of Florida. Pp. 20, figs. 3. (Farmers' Bulletin 542.)

Common White Grubs. By John J. Davis, Scientific Assistant, Bureau of Entomology. Pp. 20, figs. 12. (Farmers' Bulletin 543.)

Controlling Canada Thistles. By H. R. Cox, Agriculturist, Office of Farm Management, Bureau of Plant Industry. Pp. 14, figs. 6. (Farmers' Bulletin 545.)

The Yellow-Fever Mosquito. By L. C. Howard, M. D., Ph. D., Chief of the Bureau of Entomology. Pp. 16, figs. 6. (Farmers' Bulletin 547.)

Storing and Marketing Sweet Potatoes. By H. C. Thompson, Assistant Horticulturist, Bureau of Plant Industry. Pp. 15, figs. 9. [Supersedes Farmers' Bulletin 520.] (Farmers' Bulletin 548.)

Experiment Station Work LXXVI. Compiled from the Publications of the Agricultural Experiment Stations. Pp. 24, figs. 15. (Farmers' Bul. 549.) Contents: The Farm Water Supply—Storage of Potatoes—The Meadow Lark—Egg Production—Sprouting Oats for Poultry—Carbolic Acid for Contagious Abortion—Cooling Cream Without Ice.

Crimson Clover: Growing the Crop. By J. M. Westgate, Agronomist in Charge of Clover Investigations, Office of Forage-Crop Investigations, Bureau of Plant Industry. Pp. 15, figs. 5. (Farmers' Bulletin 550.)

Separates.

Our Meadow Larks in Relation to Agriculture. By F. E. L. Beal, Assistant in Charge of Economic Ornithology, Biological Survey. Pp. 279–284. (Sep. 590, Y. B. 1912.)

Some Results Obtained in Studying Ripening Bananas with the Respiration Calorimeter. By C. F. Langworthy and R. D. Milner, Nutrition Investigations, Office of Experiment Stations. Pp. 293–308. (Separate 592, Yearbook 1912.)

Some Useful Weather Proverbs. By W. J. Humphreys, Ph. D., Professor of Meteorological Physics, United States Weather Bureau. Pp. 374–382. (Sep. 599, Y. B. 1912.)

Relation of Birds to Grain Aphides. By W. L. McAtee, Assistant Biologist, Biological Survey. Pp. 397–404, fig. 3. (Separate 601, Yearbook 1912.)

The Settlement of Irrigated Lands. By Carl S. Scofield, Agriculturist in Charge, Western Irrigation Agriculture, Bureau of Plant Industry. Pp. 483–494. (Sep. 608, Y. B. 1912.)

Raisins, Figs, and other Dried Fruits and their Use. By C. F. Langworthy, Chief of Nutrition Investigations, Office of Expt. Stations. Pp. 505–520. (Sep. 610, Y. B. 1912.)

Possible Sources of Potash in the United States. By Frank K. Cameron, Bureau of Soils. Pp. 523–536. (Separate 611, Yearbook 1912.)

The Commercial Weather Map of the United States Weather Bureau. By Henry L. Weiskell, Chief of Division, U. S. Weather Bureau. Pp. 537–539. (Sep. 612, Y. B. 1912.)

A Directory for Farmers. Pp. 541–545. (Separate 613, Yearbook 1912.)

Biochemic Reactions and the Bacterial Count of Milk. By H. C. Campbell, V. M. D., M. D., Expert in Milk Hygiene, Pathological Division. Pp. iii + 195–224, pl. 1, fig. 1. (From Annual Report of the Bureau of Animal Industry for 1911.)

Publications of the Weather Bureau.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

National Weekly Weather Bulletin Nos. 16, 17, 18, 19, for July, 1913, reporting temperature and rainfall, with a summary of weather conditions throughout the United States. [Weekly, April–September, Monthly, remainder of year.] Price, 25 cents a year.

Approved.
D. F. Houston,
Secretary of Agriculture.

Jos. A. Arnold,
Editor and Chief Division of Publications.

WASHINGTON: GOVERNMENT PRINTING OFFICE: 1913